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(54) Title: METHODS FOR DIAGNOSING AND TREATING TUMORS AND SUPPRESSING CD PROMOTERS

(57) Abstract: Methods of treating tumors, reducing white blood cell numbers, and inhibiting CD promoters are provided.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/30213

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C12Q 1/68; G01N 33/53; C12P 21/06, A01N 43/04, 63/00; A61B 10/00; A61K 39/395
 US CL : 435/6, 7.1, 69.1, 320.1, 325, 455, 424/9.1, 9.6, 130.1, 93.2; 514/2, 44

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 435/6, 7.1, 69.1, 320.1, 325, 455, 424/9.1, 9.6, 130.1, 93.2; 514/2, 44

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
noneElectronic data base consulted during the international search (name of data base and, where practicable, search terms used)
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C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-------------|---|--------------------------------|
| P, X --- | DA SILVIA N. et al. HnRNP-K and Pur(alpha) act together to repress the transcriptional activity of the CD43 gene promoter. Blood. 15 November 2002, Vol. 100, No. 10, pages 3536-3544. | 98-105 ----- |
| P, Y --- | SHELLEY C.S. et al. During U937 monocytic differentiation repression of the CD43 gene promoter is mediated by the single-stranded DNA binding protein Pur alpha. Br. J. Haematol. October 2001, Vol. 115, No. 1, pages 159-166. | 82-90 98, 102-105, ----- |
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| Y | TKACZUK J. et al. The CBF.78 monoclonal antibody to human sialophorin has distinct properties giving new insights into the CD43 marker and its activation pathway. Tissue Antigens. July 1999, Vol. 54, No. 1, pages 1-15. | 72, 74-81, 82, 91-97 |



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07 May 2004 (07.05.2004)

Date of mailing of the international search report

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| C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT | | |
|---|--|-----------------------|
| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
| A | MIAU L.H. et al. Identification of heterogeneous nuclear ribonucleoprotein K (hnRNP K) as a repressor of C/EBPbeta-mediated gene activation. J. Biol. Chem. 24 April 1998, Vol. 273, No. 17, pages 10784-10791. | 1-114 |
| Y | KUDO S. et al. A short, novel promoter sequence confers the expression of human leukosialin, a major sialoglycoprotein on leukocytes. J. Biol. Chem. 5 May 1991, Vol. 266, No. 13, pages 8483-8489. | 98-114 |
| A | SHELLEY C.S et al, Molecular characterization of sialophorin (CD43), the lymphocyte surface sialoglycoprotein defective in Wiskott-Aldrich syndrome. Proc. Natl. Acad. Sci. USA. April 1989, Vol. 86, No. 8, page 2819-2823. | 1-114 |

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Continuation of B. FIELDS SEARCHED Item 3:

Database: Medline, Scisearch, Caplus.

Search terms: CD43, leukosialin, promoter, ovarian cancer, chemotherapeutic agent, monoclonal, antibody, Pur(alpha), hnRNP-K, WBC, white blood cells, leukemia, treatment, cure, gene therapy, antisense.